

# INTERNATIONAL SEARCH REPORT

In national Application No  
PCT/GB2004/001522

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G02B17/08 G02B27/28 H04B10/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G02B H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)  
EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 851 613 A (TAIYO YUDEN KK) 1 July 1998 (1998-07-01)  abstract column 2, line 28 - column 3, line 56 column 10, line 10 - column 11, line 14 column 26, line 10 - line 49 claims figures	1-12, 14, 18-22, 24, 26-40
A		13, 15-17, 23, 25

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

23 July 2004

Date of mailing of the international search report

04/08/2004

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Seibert, J

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/21734 A (RAMIREZ INIGUEZ ROBERTO ; GREEN ROGER (GB); UNIV WARWICK (GB)) 14 March 2002 (2002-03-14) cited in the application	1,5,6, 13-15, 17,19, 21-28, 30,31, 36,37
A	abstract page 5, line 1 - line 8 page 5, line 25 - line 32 page 10, line 25 - page 11, line 2 claims figures	2-4, 7-12,16, 18,20, 29, 32-35, 38-40
X	NING X ET AL: "DIELECTRIC TOTALLY INTERNALLY REFLECTING CONCENTRATORS" APPLIED OPTICS, OPTICAL SOCIETY OF AMERICA, WASHINGTON, US, vol. 26, no. 2, 15 January 1987 (1987-01-15), pages 300-305, XP002012726 ISSN: 0003-6935 the whole document	1,5-19
A		2-4, 20-40

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0851613	A	01-07-1998	JP	10190581 A	21-07-1998
			JP	9321704 A	12-12-1997
			EP	0851613 A2	01-07-1998
WO 0221734	A	14-03-2002	EP	1316164 A1	04-06-2003
			WO	0221734 A1	14-03-2002
			JP	2004508733 T	18-03-2004
			US	2004094696 A1	20-05-2004